

Please replace the second paragraph on the first page of the specification with the following rewritten version:

42

--The invention also relates to a method of manufacturing of three dimensional objects by means of a rapid prototyping apparatus wherein a wholly or partially light-sensitive material is treated by means of illumination of a cross section of the material by at least one spatial light modulator arrangement of controllable light modulators.--

Please replace the third paragraph on the first page of the specification with the following rewritten version:

A3

-- BACKGROUND OF THE INVENTION

In connection with the manufacturing of mechanical prototypes, and especially during the production design processes, recent years have introduced various types of rapid prototyping techniques (RP) where three dimensional objects are manufactured by sequential cross section layers generated by a given illumination, sintering, setting or placing of material etc. on each cross section. The individual cross sections are e.g. generated as computer-aided designs. The advantage of RP is that the manufacturing of expensive molding tools for the design of the apparatus becomes superfluous for its manufacturing, just as difficult and time-consuming modifications of a molding tool may almost be completely avoided.--

Please replace the second paragraph on the fourth page of the specification with the following rewritten version:

44

-- SUMMARY OF THE INVENTION

The invention relates to a rapid prototyping apparatus for the manufacturing of three dimensional objects by additive treatment of cross sections comprising a wholly or partially light-sensitive material, said apparatus comprising at least one light source for illumination of a cross section of the light-sensitive material by at least one spatial light modulator of individually controllable light modulators, wherein at least one light source being optically coupled with a plurality of light guides arranged with respect to the spatial light modulator

arrangement in such a manner that each light guide illuminates a sub-area of the cross section.--

Please replace the second paragraph on the twelfth page of the specification with the following rewritten version:

A5 -- BRIEF DESCRIPTION OF THE DRAWINGS

The invention will be described in detail in the following with reference to the figures where

Fig. 1 shows an example of an SLA application according to the invention and

Fig. 2 shows an additional example of the SLA application according to the invention.--

Please replace the third paragraph on the twelfth page of the specification with the following rewritten version:

32 --DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

Figure 1 shows a schematic diagram of an embodiment according to the invention.--

IN THE CLAIMS:

Please replace claims 1-17 with the following rewritten versions:

- A7
1. (Amended) Rapid prototyping apparatus for the manufacturing of three dimensional objects by additive treatment of cross sections comprising a wholly or partially light-sensitive material, said apparatus comprising at least one light source for illumination of a cross section of the light-sensitive material by at least one spatial light modulator of individually controllable light modulators, wherein the at least one light source is optically coupled to a plurality of light guides arranged with respect to the spatial light modulator arrangement in such a manner that each light guide illuminates a sub-area of the cross section.